

21 Jan. 1968

Kilauea Pt., Kauai

Personnel: John H. Fitch and

George Young

Itinerary: 21 Jan. 1430 Arrive Kauai

1630 Arrive Kilauea Pt.

begin counts
population

1800 End counts
population

1930 Begin sera

collections
and banding

2100 End sera

collections
and banding

22 Jan. 0630 Begin
observations
~~populations~~

0900 End

Observations

~~1340 Dep.~~

0930 Depart

Kilauea Point

1340 Depart

Kauai.

Weather: Cloudy and raining
at Airport, Slightly overcast
with no rain at Makapili
of 22nd.
Cliffs - heavy rains on night

Vegetation: Very high and
lush - areas heavily used
by RFB and brown - with
no leaves - grass around
point six to seven
inches high (area usually
bare during WTS season)

Red-footed Booby

21 January 1968

1 RFB was seen from
airplane approx 5 miles
~~west~~ of Kauai

Red-footed Booby
Colony B

21 January 1968 Across Cove

From Kalauea Pt., Count

at 1730: 70 ± 10 , Count

at 1900: 120 ± 10 , Count

at :

22 January 0630
130

Red-footed Booby
Colony C

21 January 1968

1910 Count:

<u>Adults</u>	<u>Subad.</u>	<u>Imm.</u>
92	30	0
55	5	0
42	4	0
157	4	2
<u>346</u>	<u>16</u>	<u>2</u>

estimated # nests : 20-30

1800 Count:

<u>Adult</u>	<u>Sub</u>	<u>Imm.</u>
108	5	2
62	8	3
47	4	1
<u>211</u>	<u>11</u>	<u>7</u>
<u>428</u>	<u>28</u>	<u>13</u>

108 - below - ^{5 - 2} on beach in trees

62 - to main ^{8 - 3} clumps

47 - S. side ^{4 - 1} landslide

211 - next ^{11 - 7}

428 28 13

792 73 9

102 5 8

78 8 5

38 3 0

234 18 11
644 57 33

272

Red-Footed Booby
Colony C
21 Jan. 1968 Makapili Cliffs
1830 Count

<u>Adult</u>	<u>Sub ad.</u>	<u>Imm.</u>
192	13	9
102	15	8
27	8	5
<u>27</u>	<u>28</u>	<u>10</u>
644	57	33

22 January 1968 Makapili Cliffs

Adult Sub ad. Imm.

Brown Booby

21 January 1968 Mukapiti Cliffs

1800  Brown Boobies were seen on ledges under RFB colony e at 1710 a total of 86 were counted in the same area.

1830 183 B.Boobies

Great Frigate

21 Jan. 1968

1700: 64 observed on Makapele Cliffs in Colony C including 26 ♂♂ (7 with inflated gular pouches), 6 immatures and 32 ♀♀

1800: 72 observed on Makapele Cliffs -

3 Frigate chases observed involving 1 WTTB and 2 adult boobies - all

chases unsuccessful

Frigates roosting among boobies

WTTB

21 January 1968 Makapele Cliffs

2 individuals seen separately

- the first was seen with
a frigate chasing it -

the second was flying in
the vicinity of the RFB Colony C

No individuals were seen
on Lihue Cliffs

" GP

21 January 1968 Makepili Cliffs
several GP were seen in
pasture area

Meadowlark

"26 January 1968 Makapili

Several Meadowlarks were
heard in pasture area on
cliffs

<u>Serial #</u>	<u>Sex</u>	<u>Band #</u>	<u>Sex</u>
✓ 1 a,b,c TPN	♂	767-44531	♂
2 TPN	♂	37	♂
3 TPN	♀	38	♀
4. TPN 587- 784801	?		?
✓ 5 757-61431			
6	♂	39	♂
7 767 50333			
8	♂	40	♂
9	♂	41	♂
10	♂	42	♂
11	♀	43	♀
12 58790115			
13	♀	44	♀
14	♂	45	♂
15	♂	46	♂
16 767-445 47	♀		♀

FL

Bands used

767-44537 - 47 >

(11 bands)

Returns:

- ✓ 587-90112 Apr. 66
- ✓ 757-61431 May 66
- ✓ 767-44531 Dec 67
- ✓ 767-50333 Dec 66
- ✓ 587 ~~555~~-84801 Aug 67

29 April 1968

Kilauea Pt., Kauai

Fitch

Area #1: near begin of trail near
1st cliff

Area #2: near 1st earthen ledge

Area #3: above

587-84943 - Bands Used
 Bleed
Makapili Chiffg

1	♀ w sm sn ck	587-84943
+2	♀ w smnck	587-84801
3	♀ w smnck	587-84944
4	♀ w smnck	587-84845
+5	♂ w legg	757-61431
6	♀ w Igwayck	587-84946
7	♀ w smnck	47
+8	♀ w smnck	757-61178
+9	♀ w smdyck	767-50376
10	♂ w legg	48
+11	♀ w lsmnck	757 89260
+12	♀ w lsmnck	767 47523
13	♀ w sm Igway ck	49
14	♀ w lsmnck	50
15	♀ w lsmnck	587-80737
16	♀ w lsmnck	51
17	♀ w lsmdyck	52
18	♀ w lsmnck	53
19	♂ w empty nest	54
20	♀ w lsmnck	587-80755

#^t nests all to smnckle

15

Not bled Nakapili Chiffs

+21	♀ <u>w</u>	757	89232
22	♂ sitting alone		57
+23	♀ <u>w</u>	757-	61426
24	imm. ♂ Kph. pink bill		58
+25	♂ <u>w</u> empty nest	767	44536
26	♀ <u>w</u> leg		60
27	♂ on empty nest		61
28	♀ <u>w</u> sunkck	767-	50378
29	♀ <u>w</u> legg		63
30	♀ <u>w</u> sunkck	757	60885
31	♀ " "		64
+32	♀ " "	757	60865
33	♀ <u>w</u> sunkck		56
34	♀ " "		59
35	♀ " "		62
36	♀		65

41
102
85
522
—
750

Colony B: 91 6:00 A.M.

Colony B': 77

Colony C: 6:30 A.M.

1.) Completely across overhang:

211

2.) Forest below cliff: 94

3.) Area between sides : 28

4.) Area exposed: 128

5.) Lower cliffs: 19

Colony A: 7:00 A.M.

33 adults

3
211
94
28
128
19

5

480

June 24 - 25, 1968
Kilauea Pt., Kauai
Fitch

Makapil Cliffs, June 24, 1968

Found over 50 WTS dead
near burrow sites, some
broken eggs, three adults
incubating and apparently
healthy - one Mynah also
found dead - near one of the
WTS. Most of WTS ~~dead~~
had been dead for at
least one week - most had
been gnawed by rodents -
some dead WTS in open areas
others in dense vegetation

Colony C
Makapili Cliffs June 24, 1968

~~5:30~~ 5:30 6:00

178 184

84 92

122 143
384 419

24-25 June 1968
Rilanea Pt, Kauai
Fitch

H8F1-21 RFB

H8F22-40 WTS

587-84966 -

①

66

♀? roosting

②

WTS on egg

③

WTS roosting

④

67

⑤

68

⑥

69

⑦

70

⑧

71

⑨

587-84948

⑩

72

⑪

73

⑫

74

⑬

75

⑭

76

⑮

77

⑯

78

⑰

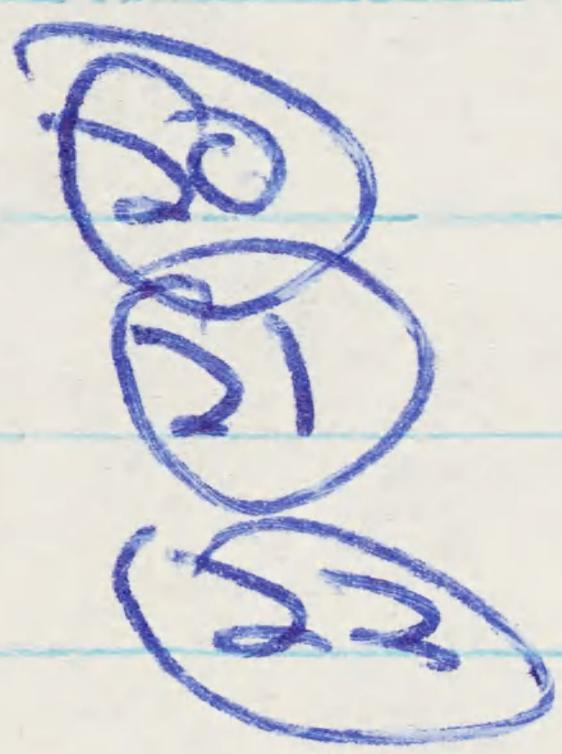
79

⑱

WTS on egg

⑲

WTS on egg



WTS roosting

WTS " "

WTS on egg

Kilauea Pt 24 June 1968

Wedge-tailed Shearwaters

#1 - 705-11226

#2 - 645-65523 - RETAINED

#3 - 635-26176 RETURNED

#4 705-11227

705-11228 LOST

#5 705-11229

#6-705-112230

#7 705-112231

#8 705-112232

705-11233 THRU 11248

BANDED

Bands Used - WTS

705-1125⁴⁹~~50~~ + 0 11285 (3⁷)

Blad: 50

Bands Used - RFB

767-44548 + 0 445⁶⁹~~5~~ (28) 22

Returus - RFB - 3

587-84956

587-84412

757-60885

Blad: (25)

Kilaea Pt. Kauai
July 1968

J. Fitch

Returns WTS 19

705-11225 on egg

635-26148 - 615-05033

645-16227 on egg 11253 * New

615-15871 - 705-~~11225~~ Roosting

635-26102 " "

645-07523 " "

624-94612 " "

635-20571 " "

615-05061 - 705-11256 " "

645-16217 " "

635-26163 " "

645-16510 on egg

615-05067 " "

645-07523 roosting

~~84~~

635-25505 roosting

705-~~11225~~ 615-06429

524-94651 - 705-11281 roosting

635-26147 nesting

645-25547 on egg, not bled

Wedge-tailed Shearwater

Kilanea Pt, Maui

July 28, 1968

- 1 WTS ~~#~~ 705-11225 on egg #5
- 2 " - 705-11250 #6
- 3 " ~~#~~ ~~████████~~ 635-26148 - 615-05033
- 4 " - 705-11251
- 5 " - 705-11252 #17
- 6 " - ~~████████~~ ~~████████~~
- 7 " - ~~████~~ ~~#~~ 645-16227 #8
- 8 # - ~~R~~ ~~#~~ {615-15771}
- 9 " - 705 ~~635-26102~~ 705-253
- 10 " - ~~████~~ R 645-07523
- 11 " - R 705-11254
- 12 " - 705-11255
- 13 " - 705 ~~R~~ 624-94612
- 14 " ~~████~~ R 625-20571
- 15 R 615-05061 = 705-11256
- 16 R 645-16217
- 17 R 705-11257
- 18 R 705-11258

WTS continued Kilauea Pt, July 28, 1968

WTS

19 R 705-112259

20 ~~R~~ 635-26163

21 R 705-112260

22 R 705-112261

23 R 705-112262 → 63?

24 R 705-112264

25 N 705-112265

26 N 645-16510

27 N 705-112266

28 N 705-112267

29 N 705-112268

30 ~~R 705-112269~~ 615-05067

31 R 705-112269

32 R 705-112270

33 N 705-112271

34 N 705-112272

35 R 705-112273

36 R 645-07522

37 R 705-112274

FB continued Kilauea Pt., July 28

① 70	Subad / imm	64
② 71	ad	65
③ 72	ad	66
④ 73	Subad / imm	67
⑤ 74	subad / imm	68
⑥ 75	subad / imm	69

-767-44569 end -

Red-footed Booby Kilauea Pt., July 28, 1968

<u>Sera #</u>	<u>Band #</u>		
① 51 ad	767-44548	? roosting	
② 52 sub ad	49	" "	
③ 53 subad	50	" "	
④ 54 imm.	51		
⑤ 55 subad	52	" "	
⑥ 56 imm	53	" "	
⑦ 57 sub ad	54	" "	
⑧ 58 subad	55		
⑨ 59 Ig dwyck	56		
⑩ 60 subad	57		
⑪ 61 lg dwyck	58		
⑫ 62 subad	59		
⑬ 63 subad/imm	60		
⑭ 64 ad	61		
⑮ 65 587-84956 ad			
⑯ 66 subad/imm	62 63		
⑰ 67 subad/imm, ad	62 63		
⑱ 68 587-84412			
⑲ 69 757 60835			

Wedge-tailed Shearwater

July 28, 1968

Makapili Cliffs, Kilauea Point, Kauai

WT5 - C45-25547 on egg

P - un

Tail sl.

WTS continued Kilanea Pt., July 28, 1968

635-25505

38 WTS - ~~705-112275~~

39 R 205-112275 Mortality

40 R 705-112276

41 R 705-112277

42 R 705-112278-615-06429

43 R 705-112279

44 R 705-112280

45 R 524-94651-705-112281

46 R 705-112282

47 R 705-112283

48 R ~~705-112284~~ 635-26147

49 R 205-112284

50 R 705-112285

Red-footed Booby
27 Aug 1968

Kilauea Pt., Kauai

①	- 767-44556	Subad
②	- 767-44553	" "
③	- 767-44559	" "
④	- 76744561	" "
⑤	767-44570 (new)	" "
⑥	" " 71 "	" "
⑦	" " 72 "	" "
⑧	" " 73	" "
⑨	" " 74	" "
⑩	" " 75	" "
11	Released	Subadult
12	Released	" "
13	Released	" "
14	76	" "
15	77	" "
16	78	" "
17	79	" "

22 Aug

7:25 PM overcast.

Colony B 66 adult
8 sub
4 imm

B.

62 adult
~~6~~ ~~several~~ sub
4 imm

27 Aug 5:30 PM clear

Colony B

16 Adults

5 sub

4 imm

B.

12 adult

5 sub

6 imm

27 5:30 PM

Calong A

6 adult

4 sub

4 imm

25515

1 645 07539

21 97

2 705-11286*

22 98

3 878

23 99

4 635-26139

24 300

5 645-16515

25 321

88

26 322

7 645-07523

27 323

8 625-32399

28 324

9 645-07554

29 325

10 89

30 326

11 90

31 327

12 91

32 328

13 92

33 329

14 93

34 330

15 645-25515

35 331

16 94

36 635-26173

17 95

37 61506364

18 635-26177

38 64522059

19 96

39 340

20

40

40 341

41 342

42 343

43 645 05038

44

(38)

~~131~~ MDC

705-11332

33

34

35

36

37

38

39

MDC

note:

Around the seaward end of the cliff only one surviving young was seen and banded. The eastern slope appears very successful seven chicks banded.

Two white tailed tropic bird nests located approx 30 feet down on the western side of cliff. Both nesting areas are inaccessible.